

Title (en)
HIGH MELT FLOW FLUOROPOLYMER

Title (de)
FLUORPOLYMER MIT HOHER SCHMELZFLUSSRATE

Title (fr)
FLUOROPOLYMERE A POINT DE FUSION ELEVE

Publication
EP 1622951 B2 20170830 (EN)

Application
EP 04775999 A 20040512

Priority
• US 2004015065 W 20040512
• US 47030803 P 20030514

Abstract (en)
[origin: US2004242819A1] The present invention relates to a partially-crystalline copolymer comprising tetrafluoroethylene, hexafluoropropylene in an amount corresponding to HFPI of from about 2.8 to 5.3, and preferably from about 0.2% to 3% by weight of perfluoro(alkyl vinyl ether), said copolymer being polymerized and isolated in the absence of added alkali metal salts, having a melt flow rate of within the range of about 30±3 g/10 min, and having no more than about 50 unstable endgroups can be extruded at high speed onto conductor over a broad polymer melt temperature range to give insulated wire of high quality.

IPC 8 full level
C08F 214/26 (2006.01); **C08F 16/24** (2006.01); **C08F 214/18** (2006.01)

CPC (source: EP US)
C08F 214/18 (2013.01 - EP US)

Citation (opposition)
Opponent :
• EP 1262496 A1 20021204 - DAIKIN IND LTD [JP]
• DE 19903657 A1 20000803 - DYNEON GMBH [DE]
• EP 1260526 A1 20021127 - DAIKIN IND LTD [JP]
• DE 10048730 A1 20020418 - DYNEON GMBH [DE]
• US 6429237 B2 20020806 - TOOLEY PATRICIA A [US]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2004242819 A1 20041202; AT E420903 T1 20090115; CN 100513443 C 20090715; CN 1788027 A 20060614;
DE 602004019072 D1 20090305; EP 1622951 A1 20060208; EP 1622951 B1 20090114; EP 1622951 B2 20170830; JP 2006528274 A 20061214;
JP 4855262 B2 20120118; WO 2004104057 A1 20041202

DOCDB simple family (application)
US 83283104 A 20040427; AT 04775999 T 20040512; CN 200480013019 A 20040512; DE 602004019072 T 20040512;
EP 04775999 A 20040512; JP 2006533046 A 20040512; US 2004015065 W 20040512